



Radio Monitoring

Flexible Monitoring

LS OBSERVER
Small Monitoring Unit (SMU) 306w

TECHNICAL DETAILS LS OBSERVER SMU 306w

RF Characteristics		
RF Characteristics	Frequency range	9 kHz to 6 GHz
	Scanning speed	24 GHz/s @10 kHz RBW
	Max. input level	+16 dBm, 0 VDC
	Instantaneous bandwidth	up to 27 MHz
	Sensitivity (DANL)	-153 dBm/Hz average, depending on frequency
	Frequency accuracy	0.07 ppb (GPS disciplined)
Connectivity		
Connectivity	RF antenna input	1x N-Type
	GPS antenna input	1x SMA, antenna included
	Wired	2x Ethernet RJ45 (LAN), 1x USB 2.0
	Wireless networking	3G, 4G, 5G (EMEA only)
	Wireless local networking	WiFi (802.11 b/g/n), Bluetooth
Features		
Features	Software¹	LS OBSERVER CMS (Central Monitoring Software)
	Spectrum Monitoring	yes
	Direction Finding (DF)	Manual with optional HHA-x antenna
	TDoA Geolocation²	yes
	Demodulation	Analog audio for AM, FM, DSB, USB, LSB and CW
Storage		
Storage	Storage time of raw data³	up to 30 days
	Storage time of statistic data⁴	up to 2 years
Environmental Parameters		
Environmental Parameters	Ruggedized	yes
	Temperature range	-20°C to +50°C
	Power supply	90-264 VAC 50-60 Hz or 13-25 VDC
	Power consumption	max. 30 W
	Weight (system unit)	5.0 kg
	Dimensions in mm (W/H/D)	350 x 250 x 60
	Humidity (non-condensing)	up to 95 %
	Protection	IP 54
	Colour	anthracite-gray

¹ Requires desktop user client CMS_CL and RMU_LRC

² Requires software option RMU_TDOA

³ Depending on range and RBW, Excluding IQ data

⁴ Overview and FCO data, depending on range and time interval

For further information, please visit our website www.LStelcom.com or contact Info@LStelcom.com.